AMENDMENTS TO THE SPECIFICATION: (continued)

PLEASE AMEND PARAGRAPH [0032] AS FOLLOWS:

[0032] When the presence of a meat cut is detected, upward elevation of the probe assembly is initiated along the substantially circular path which causes the probes to elevate upward and penetrate the oncoming meat cut. The probe assembly and probes, as they continue along the circular path, will then begin ~~dissent~~ descent while continuing to translate along the path of conveyance. The ~~dissent~~ descent along the substantially circular path will cause the probes to retract from the meat cut. The probe assembly frame and the probes will continue along the substantially circular path until the probes begin to elevate again to penetrate the meat cut. The speed of the motor or drive can be adjusted to penetrate the meat cut a plurality of time during a single pass. Increasing the drive speed, increases the number of penetrations of a given meat cut on a single pass. The preferred embodiment shows the laterally oriented probes operatively connected to air springs which act as a safety mechanism for a condition where the probe tip hits something hard such as a bone. The number of laterally aligned probes can vary to increase or decrease resolution of the map. The probes can also be longitudinally aligned or a matrix of probes can be utilized.

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